



ColorFlex Product Data

Flexible Epoxy Control Joint & Crack Filler

Description

ColorFlex is a 100% solids, flexible hybrid epoxy for use in terrazzo control joints. Typical applications include 3/8" control and isolation joints referenced through thin-set terrazzo from the substrate. ColorFlex is placed between "back to back" L strips to provide a colored control joint. ColorFlex is used to seal cracks in existing terrazzo, tile or concrete floors. ColorFlex may be ordered in any color desired or to match the color of the Morricite Epoxy Terrazzo.

Typical Uses

- New control joints in Morricite Epoxy Terrazzo.
- In low movement isolation joints in Morricite.
- To repair existing control joints in epoxy, polyacrylate or cement terrazzo.
- As a flexible, color matched crack filler in existing terrazzo, tile or concrete floors.
- As a concrete control joint filler in interior environments.

Advantages

- ColorFlex is self-priming in properly prepared joints and cracks.
- ColorFlex's low odor, 100% solids, formula is excellent for use in renovation work in occupied space..
- ColorFlex remains flexible over a wide range of temperatures.
- ColorFlex may be poured prior to pouring terrazzo and ground with the terrazzo to provide a clean, smooth appearance.
- ColorFlex may be color matched to terrazzo matrix or existing substrate color to provide more aesthetic appearance.
- ColorFlex provides excellent adhesion to strips unlike preformed neoprene inserts.

Limitations

- Applications in non-climate controlled environments or with thermal shock or cycling should be reviewed with MTT.
- Cannot handle vertical displacements in cracks or joints.
- Excessive movement sub-floor cracks or joints may cause cracking in ColorFlex. This cracking indicates the product is working to protect terrazzo floor.
- Effective vapor barrier required beneath the substrate in contact with the substrate's underside and detailed at penetrations and perimeter.
- Store material in a cool, dry area 50° F to 90° F (10° C to 32° C) away from direct sunlight, flame or other hazards.
- ColorFlex is not designed to be used in expansion joints which are designed for high movement.

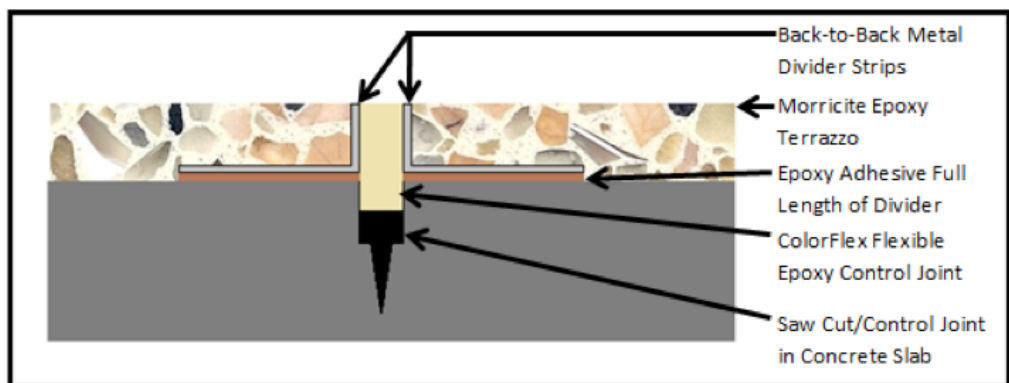


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Colors

- Custom colors are available on request.

Typical ColorFlex Control Joint in Morriscite Epoxy Terrazzo



Application

- Ensure adequate ventilation during installation per current applicable codes.
- ColorFlex should be installed only by personnel experienced in terrazzo, caulking or structural repair installations.
- Stir resin and hardener separately prior to mixing.
- Mix two parts resin to one part hardener together and stir thoroughly for 45 to 60 seconds. Do not over mix. Only mix as much as can be poured in 20 minutes.

Surface Preparation

- Surface and air temperatures must be at least 55° F (12° C) during installation and initial cure.
- Joints and cracks should be checked for soundness. Mechanically prepare surfaces to remove all laitance, sealers, contamination or loose or hollow areas. Prepared areas can be patched with MorriFill if required.
- Test concrete substrates according to ASTM F2170 (Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes). Do not install terrazzo or terrazzo accessories until test results are 80% or less RH. If 80% RH is not met, consult MTT for additional drying or negative side moisture mitigation methods.
- Dewpoint at time of installation must be at least 5° F less than the slab and air temperature.
- For new concrete installations, allow adequate concrete cure (minimum of 60 days) enabling the majority of concrete shrinkage to occur before installing **ColorFlex**.

Safety

For industrial and professional use **ONLY**.

For detailed safety guidelines, please refer to the product Material Safety Data Sheet (MSDS)



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Typical Physical Properties

Tensile Strength ASTM D 638 @ 20° C	1,600 psi (11 MPa)
Elongation to Failure ASTM D 638 @ 20° C	100%
Tensile Modulus ASTM D 638 @ 20° C	27,800 psi (191 MPa)
Hardness Shore D	24 hours 51
	48 hours 66
	72 hours 70
Mandrel Bend @ 20° C	2 mm film passes on 1/8" mandrel
Impact Resistance	Exceeds 160 in-lb Forward and Reverse

Typical Coverage Rates

Joint Size (Inch)	¾ Gallon Unit	3 Gallon Unit
3/8 x 3/8	94	375
3/8 x 1/2	70	280
3/8 x 3/4	47	188
3/8 x 1	35	140
3/8 x 1 ½	24	96
3/8 x 2	18	70

Warranty Information

Values stated herein are typical values based on periodic testing and product experience. MTT DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where customer demonstrates non-conformance of product to typical values stated herein, MTT will supply replacement product or, at its option, credit Customer's account for the purchase price of non-conforming product. Recommendations herein as to the surface preparation, application, maintenance, and other matters involved in storage, handling, or use of product are based on best information reasonably available to MTT. Because MTT has no control over such matters, or over substrate or other conditions that may affect ultimate performance, Customer has the obligation to determine suitability of product for the intended purpose, and MTT SHALL HAVE NO RESPONSIBILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES BUT ONLY FOR THE REPLACEMENT OR CREDITING REMEDY ABOVE. All claims for replacement or crediting must be made within one year from date of shipment. The sale and purchase of product from MTT are subject in each case to MTT's Terms and Conditions of Purchase.

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